Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of the Claims:

1. (Currently Amended) A method for controlling a diaphragm or piston pump that is actuated, via a ram, or a connecting rod, by a cam, which is powered by an electric motor, the method comprising varying a rotating speed of the cam during actuation of a compression stroke of the pump ~~moving the diaphragm or piston of the pump by the drive unit of the cam at approximately constant speed throughout the compression stroke, taking into account the position of the cam, to assure an approximately constant volume flow of the metered medium~~.

2. (Currently Amended) The method of claim 1, wherein ~~the drive unit drives the cam during the compression stroke with a~~ the rotating speed of the cam is varied, during the compression stroke, so as to compensate for otherwise ~~profile that compensates for~~ temporal cosinusoidal movement of the piston, or diaphragm, which is conditioned by the cam.

3. (Currently Amended) The method of claim 1 wherein [[the]] a speed profile of the ~~drive unit~~ the rotating speed of the cam, during the compression stroke, has a ~~approximately the~~ shape being defined by an equation:

$\omega(t) = 2/T_D \times (1 - (- 2/T_D \times t + 1)^2)^{-1/2}$

~~in the compression stroke throughout the period of constant diaphragm speed~~.

4. (Currently Amended) The method of claim 1, further comprising maintaining a constant rotating speed of the cam ~~wherein the drive unit moves the cam with a different speed profile, particularly with constant and/or higher speed,~~ during [[the]] actuation of an aspiration stroke of the pump.

5. Canceled

6. (Currently Amended) The method of claim 1, wherein the electric motor comprises an EC motor~~, preferably with integral rotor position sensors, is used as the drive unit~~.

7. (Currently Amended) The method of claim 1, further comprising capturing a position of the cam with a sensor ~~wherein~~ in order to ~~control~~ vary the rotating speed of the cam during the compression stroke~~ speed, the cam position is captured by a sensor and/or is calculated from position sensor signals that are in the drive unit~~.

8. (New) The method of claim 1, wherein the rotating speed of the cam decreases to a minimum speed about midway through the compression stroke.

9. (New) The method of claim 1, further comprising maintaining a maximum rotating speed of the cam during actuation of an aspiration stroke of the pump.

10. (New) The method of claim 1, wherein varying the rotating speed of the cam during the compression stroke comprises increasing the rotating speed just before an end of the compression stroke.

11. (New) The method of claim 6, wherein the EC motor includes an integral rotor position sensor.

12. (New) The method of claim 11, further comprising calculating a position of the cam with a signal from the rotor position sensor in order to vary the rotating speed of the cam during the compression stroke.